

RAW SEQUENCE LISTING

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Application Serial Number: 10/536,735

Source: PCT/10

Date Processed by STIC: 6/6/05

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PCT

RAW SEQUENCE LISTING

DATE: 06/06/2005

PATENT APPLICATION: US/10/536,735

TIME: 11:29:01

Input Set : A:\Sequence Listing.ST25.txt

Output Set: N:\CRF4\06062005\J536735.raw

in

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3 <110> APPLICANT: Ptacek, Louis J.
4      Fu, Ying-Hui
5      Jones, Christopher R.
7 <120> TITLE OF INVENTION: Casein Kinase I Delta and Casein Kinase I Epsilon and Sleep
8      Humans
10 <130> FILE REFERENCE: 1321.2.82p
C--> 12 <140> CURRENT APPLICATION NUMBER: US/10/536,735
C--> 12 <141> CURRENT FILING DATE: 2005-05-27
12 <160> NUMBER OF SEQ ID NOS: 12
14 <170> SOFTWARE: PatentIn version 3.2
16 <210> SEQ ID NO: 1
17 <211> LENGTH: 2030
18 <212> TYPE: DNA
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28 cgatggtgaa agcggggccg tgaggggggc ggagccggga gccggaccgc cagtagcggc      240
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44 catcgaatac attcattcaa agaacttcac ccaccgggat gtgaagccag acaacttcct      720
46 catgggcctg ggggaagaagg gcaacctggt gtacatcatc gacttcgggc tggccaagaa      780
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50 gacggcgcgg tacgcctcca tcaacacgca ccttggaatt gaacaatccc gaagagatga      900
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82 gggagaagaaa gcagagagag aattgcagag aatcagactc cttttccagg gcctcagctc 1860
84 cctccagtgg tggcgcctt gtactccctg acgattccac tgtaactacc aatcttctac 1920
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163 ctacttggtt aagacagttt tgtatcattt tgctaaaaat tattggctta aatctgtgta 2040
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170 <210> SEQ ID NO: 3
171 <211> LENGTH: 415

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172 <212> TYPE: PRT

173 <213> ORGANISM: Homo sapiens

175 <400> SEQUENCE: 3

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182          20          25          30
185 Glu Glu Val Ala Ile Lys Leu Glu Cys Val Lys Thr Lys His Pro Gln
186          35          40          45
189 Leu His Ile Glu Ser Lys Ile Tyr Lys Met Met Gln Gly Gly Val Gly
190          50          55          60
193 Ile Pro Thr Ile Arg Trp Cys Gly Ala Glu Gly Asp Tyr Asn Val Met
194 65          70          75          80
197 Val Met Glu Leu Leu Gly Pro Ser Leu Glu Asp Leu Phe Asn Phe Cys
198          85          90          95
201 Ser Arg Lys Phe Ser Leu Lys Thr Val Leu Leu Leu Ala Asp Gln Met
202          100          105          110
205 Ile Ser Arg Ile Glu Tyr Ile His Ser Lys Asn Phe Ile His Arg Asp
206          115          120          125
209 Val Lys Pro Asp Asn Phe Leu Met Gly Leu Gly Lys Lys Gly Asn Leu
210          130          135          140
213 Val Tyr Ile Ile Asp Phe Gly Leu Ala Lys Lys Tyr Arg Asp Ala Arg
214 145          150          155          160
217 Thr His Gln His Ile Pro Tyr Arg Glu Asn Lys Asn Leu Thr Gly Thr
218          165          170          175
221 Ala Arg Tyr Ala Ser Ile Asn Thr His Leu Gly Ile Glu Gln Ser Arg
222          180          185          190
225 Arg Asp Asp Leu Glu Ser Leu Gly Tyr Val Leu Met Tyr Phe Asn Leu
226          195          200          205
229 Gly Ser Leu Pro Trp Gln Gly Leu Lys Ala Ala Thr Lys Arg Gln Lys
230          210          215          220
233 Tyr Glu Arg Ile Ser Glu Lys Lys Met Ser Thr Pro Ile Glu Val Leu
234 225          230          235          240
237 Cys Lys Gly Tyr Pro Ser Glu Phe Ala Thr Tyr Leu Asn Phe Cys Arg
238          245          250          255
241 Ser Leu Arg Phe Asp Asp Lys Pro Asp Tyr Ser Tyr Leu Arg Gln Leu
242          260          265          270
245 Phe Arg Asn Leu Phe His Arg Gln Gly Phe Ser Tyr Asp Tyr Val Phe
246          275          280          285
249 Asp Trp Asn Met Leu Lys Phe Gly Ala Ser Arg Ala Ala Asp Asp Ala
250          290          295          300
253 Glu Arg Glu Arg Arg Asp Arg Glu Glu Arg Leu Arg His Ser Arg Asn
254 305          310          315          320
257 Pro Ala Thr Arg Gly Leu Pro Ser Thr Ala Ser Gly Arg Leu Arg Gly
258          325          330          335
261 Thr Gln Glu Val Ala Pro Pro Thr Pro Leu Thr Pro Thr Ser His Thr
262          340          345          350
265 Ala Asn Thr Ser Pro Arg Pro Val Ser Gly Met Glu Arg Glu Arg Lys
266          355          360          365

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269 Val Ser Met Arg Leu His Arg Gly Ala Pro Val Asn Ile Ser Ser Ser
270      370      375      380
273 Asp Leu Thr Gly Arg Gln Asp Thr Ser Arg Met Ser Thr Ser Gln Ile
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277 Pro Gly Arg Val Ala Ser Ser Gly Leu Gln Ser Val Val His Arg
278      405      410      415
281 <210> SEQ ID NO: 4
282 <211> LENGTH: 409
283 <212> TYPE: PRT
284 <213> ORGANISM: Homo sapiens
286 <400> SEQUENCE: 4
288 Met Glu Leu Arg Val Gly Asn Arg Tyr Arg Leu Gly Arg Lys Ile Gly
289 1      5      10      15
292 Ser Gly Ser Phe Gly Asp Ile Tyr Leu Gly Thr Asp Ile Ala Ala Gly
293      20      25      30
296 Glu Glu Val Ala Ile Lys Leu Glu Cys Val Lys Thr Lys His Pro Gln
297      35      40      45
300 Leu His Ile Glu Ser Lys Ile Tyr Lys Met Met Gln Gly Gly Val Gly
301      50      55      60
304 Ile Pro Thr Ile Arg Trp Cys Gly Ala Glu Gly Asp Tyr Asn Val Met
305 65      70      75      80
308 Val Met Glu Leu Leu Gly Pro Ser Leu Glu Asp Leu Phe Asn Phe Cys
309      85      90      95
312 Ser Arg Lys Phe Ser Leu Lys Thr Val Leu Leu Leu Ala Asp Gln Met
313      100      105      110
316 Ile Ser Arg Ile Glu Tyr Ile His Ser Lys Asn Phe Ile His Arg Asp
317      115      120      125
320 Val Lys Pro Asp Asn Phe Leu Met Gly Leu Gly Lys Lys Gly Asn Leu
321      130      135      140
324 Val Tyr Ile Ile Asp Phe Gly Leu Ala Lys Lys Tyr Arg Asp Ala Arg
325 145      150      155      160
328 Thr His Gln His Ile Pro Tyr Arg Glu Asn Lys Asn Leu Thr Gly Thr
329      165      170      175
332 Ala Arg Tyr Ala Ser Ile Asn Thr His Leu Gly Ile Glu Gln Ser Arg
333      180      185      190
336 Arg Asp Asp Leu Glu Ser Leu Gly Tyr Val Leu Met Tyr Phe Asn Leu
337      195      200      205
340 Gly Ser Leu Pro Trp Gln Gly Leu Lys Ala Ala Thr Lys Arg Gln Lys
341      210      215      220
344 Tyr Glu Arg Ile Ser Glu Lys Lys Met Ser Thr Pro Ile Glu Val Leu
345 225      230      235      240
348 Cys Lys Gly Tyr Pro Ser Glu Phe Ala Thr Tyr Leu Asn Phe Cys Arg
349      245      250      255
352 Ser Leu Arg Phe Asp Asp Lys Pro Asp Tyr Ser Tyr Leu Arg Gln Leu
353      260      265      270
356 Phe Arg Asn Leu Phe His Arg Gln Gly Phe Ser Tyr Asp Tyr Val Phe
357      275      280      285
360 Asp Trp Asn Met Leu Lys Phe Gly Ala Ser Arg Ala Ala Asp Asp Ala
361      290      295      300

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364 Glu Arg Glu Arg Arg Asp Arg Glu Glu Arg Leu Arg His Ser Arg Asn
 365 305 310 315 320
 368 Pro Ala Thr Arg Gly Leu Pro Ser Thr Ala Ser Gly Arg Leu Arg Gly
 369 325 330 335
 372 Thr Gln Glu Val Ala Pro Pro Thr Pro Leu Thr Pro Thr Ser His Thr
 373 340 345 350
 376 Ala Asn Thr Ser Pro Arg Pro Val Ser Gly Met Glu Arg Glu Arg Lys
 377 355 360 365
 380 Val Ser Met Arg Leu His Arg Gly Ala Pro Val Asn Ile Ser Ser Ser
 381 370 375 380
 384 Asp Leu Thr Gly Arg Gln Asp Thr Ser Arg Met Ser Thr Ser Gln Asn
 385 385 390 395 400
 388 Ser Ile Pro Phe Glu His His Gly Lys
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392 <210> SEQ ID NO: 5

393 <211> LENGTH: 2030

394 <212> TYPE: DNA

395 <213> ORGANISM: Homo sapiens

397 <400> SEQUENCE: 5

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402	gctcggactg	tccatccgc	cccgattga	ggcgctggga	gcggcggggc	gacaggaaag	180
404	cgatggtgaa	agcggggcgc	tgaggggggc	ggagccggga	gccggaccgc	cagtagcggc	240
406	agcagcggcg	ccgcctccca	gagttcagac	ccaggaagcg	gccgggaggg	caggagcgaa	300
408	tggggccgcc	gccgccatgg	agctgagagt	cgggaacagg	taccggctgg	gccggaagat	360
410	cggcagcggc	tccttcggag	acatctatct	cggtagcgac	attgctgcag	gagaagagggt	420
412	tgccatcaag	cttgaatgtg	tcaaagccaa	acaccctcag	ctccacattg	agagcaaaat	480
414	ctacaagatg	atgcagggag	gagtgggcat	ccccaccatc	agatggtgcg	gggcagaggg	540
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VERIFICATION SUMMARY

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L:12 M:270 C: Current Application Number differs, Replaced Current Application No

L:12 M:271 C: Current Filing Date differs, Replaced Current Filing Date